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इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके
[Separate paging is given to this Part in order that it may be filed as a separate compilation]

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेंट कार्यालय द्वारा जारी की गई पेटेंटों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस
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Calcutta, the 29th January 2000

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and Aminidivi Islands.

Telegraphic address "PATENTOFIS"
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Bose Road, Calcutta-700 020.

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कलकत्ता, दिनांक 29 जनवरी 2000

पेटेंट कार्यालय के कार्यालयों के पते एवं अंशधिकार

पेटेंट कार्यालय का प्रधान कार्यालय कलकत्ता में अवस्थित है तथा मुम्बई, दिल्ली एवं चेन्नई में इसके शाखा कार्यालय हैं, जिनके पारंपरिक क्षेत्राधिकार ज्ञान के आधार पर निम्न रूप में प्रदर्शित हैं :—

पेटेंट कार्यालय शाखा, टांडी इस्टेट,
तीसरा तल, लोवर परले (प.),
मुम्बई-400 013।

गुजरात, महाराष्ट्र, मध्य प्रदेश
तथा गोवा राज्य क्षेत्र एवं संघ
शासित क्षेत्र, दमन तथा दीव एवं
दादर और नगर हवेली।

तार पता - "पेटेंटॉफिस"

फोन 4825092 फैक्स : 0224950622

पेटेंट कार्यालय शाखा,
एकक सं. 401 से 405, तीसरा तल
नगरपालिका बाजार भवन,
सरस्वती मार्ग, करोल बाग,
नई दिल्ली-110 005.

हरियाणा, हिमाचल प्रदेश, जम्मू
तथा कश्मीर, पंजाब, राजस्थान,
उत्तर प्रदेश तथा दिल्ली राज्य
क्षेत्र एवं संघ शासित क्षेत्र चंडीगढ़।

तार पता - "पेटेंटॉफिस"

फोन : 5782532 फैक्स : 011-5766204

पेटेंट कार्यालय शाखा,

विंग सी (सी-4, ए),

तीसरा तल, राजाजी भवन, बसन्त नगर,
चेन्नई-600090।

आन्ध्र प्रदेश, कर्नाटक, केरल, तमिलनाडु
तथा पाण्डिचेरी राज्य क्षेत्र एवं
संघ शासित क्षेत्र, लक्षद्वीप, मिनिक्काय
तथा मणिमिन्दिन द्वीप।

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फोन : 4901495 फैक्स : 044-4901492

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234/4, आचार्य जगदीश बोस मार्ग,

कलकत्ता-700 020

भारत का अवशिष्ट क्षेत्र।

तार पता - "पेटेंटॉफिस"

फोन : 247 4401 फैक्स : 033247 3851

पेटेंट कार्यालय का कलकत्ता स्थित प्रधान कार्यालय पेटेंट
सहयोग संधि के अधीन अन्तरराष्ट्रीय आवेदनों के लिए रिसीविंग
कार्यालय, इलेक्ट्रॉनिक कार्यालय व डिप्लोमेटिक कार्यालय है।

पेटेंट अधिनियम, 1970 तथा पेटेंट (संशोधन) अधिनियम,
1999 अथवा पेटेंट (संशोधन) नियम, 1972 द्वारा उपेक्षित
सभी आवेदन, सचनाएं, विवरण या अन्य दस्तावेज या कोई
फीस पेटेंट कार्यालय के केवल समीक्षित कार्यालय में ही ग्रहण
किये जायेंगे।

शुल्क : शुल्कों की अदायगी या तो नकद की जायगी अथवा
जहां उपयुक्त कार्यालय अवस्थित है, उस स्थान के अनुसूचित बैंक
में नियंत्रक को भगतान योग्य बैंक दफ्तर अथवा बैंक दफ्तर की
जा सकती है।

Dated the 17th December, 1999

LIST OF HOLIDAYS FOR THE YEAR, 2000

No. A-45011/1/2000-Admn.—The following days have been declared as Holidays to be observed by the Patent Office,
Calcutta, during the year, 2000

Sl. No.	Holidays & Connected Festivals	Month & Date	Days of the week
01.	Idu'l Fitr	Jan. 9th	Sunday
02.	Republic Day	Jan. 26th	Wednesday
03.	Sri Panchami	Feb. 10th	Thursday
04.	Idul Zuha (Bukrid)	March, 17th	Friday
05.	Holi/Dolyatra	March, 20th	Monday
06.	Moharram	April, 16th	Sunday
07.	Mahavir Jayanti	April, 16th	Sunday
08.	Good Friday	April, 21st	Friday
09.	Budha Purnima	May, 18th	Thursday
10.	Milad-Un-Nabi or Id-E-Millad (Birthday of prophet Mohammad)	June, 15th	Thursday
11.	Independence Day	Aug 15th	Tuesday
12.	Mahatma Gandhi's Birth Day	Oct. 2nd	Monday
13.	Mahastami	Oct. 5th	Thursday
14.	Dussehra (Vijaya Dassmi)	Oct. 7th	Saturday
15.	Diwali (Deepavali)	Oct. 26th	Thursday
16.	Guru Nanak's Birthday	Nov. 11th	Saturday
17.	Christmas Day	Dec. 25th	Monday
	*Idu'l Fitr	Dec. 28th	Thursday

*Falls Twice during 2000. Hence there will be no holiday during 2001 on account of Idu'l Fitr.

Note: Central Govt. Organisations, which include Industrial, Commercial & Trading Establishments (i.e. other than doing work of secretariat nature) would observe 17 Holidays in a year out of which 3 namely Republic Day, Independence Day & Mahatma Gandhi's Birthday will be compulsory. The remaining 14 occasions may be determined by such Establishments/Organisations themselves on year to year basis.

DR. S. K. PAL,
Asstt. Controller of Patents & Designs & Head of Office.

ALTERATION OF DATE UNDER SECTION-16

183522 (171/Cal/1995) Ante-dated to 05th September, 1990.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of a patent on any of the applications concerned, may, at any time within four months from the date of this issue or within such further period not exceeding one month if applied for on Form 4 prescribed under the Patent (Amendment) Rules, 1999 before the expiry of the said period of four months, give notice to the Controller of Patents at the appropriate office on the prescribed Form 7 of such opposition. The written statement of opposition should be filed in duplicate alongwith evidence, if any, with said notice or within sixty days of its date as prescribed in Rule 36 as amended by the Patents (Amendment) Rules, 1999.

The Classification given below in respect of each specification are according to Indian Classification and International Classification Systems.

Printed copies of the specification and drawings, if any, can be supplied by the Patent Office or its branch offices on payment of prescribed charges of Rs. 30/- each.

In the event of non-availability of printed specification, photocopies of the specification and drawings, if any, can be supplied by the Patent Office and its branch offices on payment of prescribed photocopy charges @ Rs. 10/- per page of such document plus Rs. 30/-.

स्वीकृत सम्पूर्ण विनिर्देश

एतद्वारा यह सूचना दी जाती है कि संबंध आवेदनों में से किसी पर पेटेंट अनुदान के विरोध करने के इच्छुक व्यक्ति, इसके निर्गम की तिथि से चार (4) महीने या अग्रिम एंसी अवधि और उक्त चार (4) महीने की अवधि की समाप्ति के पूर्व, पेटेंट (संशोधन) नियम, 1999 के तहत विहित प्ररूप 4 पर अगर आवेदित हो, एक महीने की अवधि से अधिक न हो, के भीतर कभी भी निम्न-वृत्त एकत्र के उपयुक्त कार्यालय में ऐसे विरोध की सूचना गिहित प्ररूप 7 पर दे सकते हैं। विरोध संबंधी लिखित बक्तव्य की प्रतियों में साक्ष्य की साथ, यदि कोई हो, उक्त सूचना के साथ या पेटेंट (संशोधन) नियम, 1999 द्वारा संशोधित नियम-36 के तहत यथाविहित उक्त सूचना के तिथि से 60 दिन के भीतर फाइल कर दिए जाने चाहिए।

प्रत्येक विनिर्देश के संदर्भ में नीचे दिये वर्गीकरण, भारतीय वर्गीकरण तथा अन्तर्राष्ट्रीय वर्गीकरण के अनुरूप हैं।

विनिर्देश तथा चित्र आरेख, यदि कोई हो, की अंकित प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से अभावहित 30 रुपये प्रति वी अदायगी पर की जा सकती है।

ऐसी परिस्थिति में जब विनिर्देश की अंकित प्रति उपलब्ध नहीं हो, विनिर्देश तथा चित्र आरेख, यदि कोई हो, की फोटो प्रतियों की आपूर्ति पेटेंट कार्यालय या उसके शाखा कार्यालयों से यथाविहित फोटोप्रति शुल्क उक्त दस्तावेज के 10 रुपये प्रति पृष्ठ व 30 रुपये की अदायगी पर की जा सकती है।

Cl. : 128 I.

183521

Int. Cl. : B 63 C 11/16.

SNORKELLING DEVICE.

Applicant & Inventor : ALAN JAMES EVANS, OF 10 FRANKLAND COURT, GOSNELLS W.A. 6110, AUSTRALIA.

Application No. 429/Cal/1994 filed on 8th June, 1994.

(Convention No. PL9225 on 8th June, 1993 in Australia).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

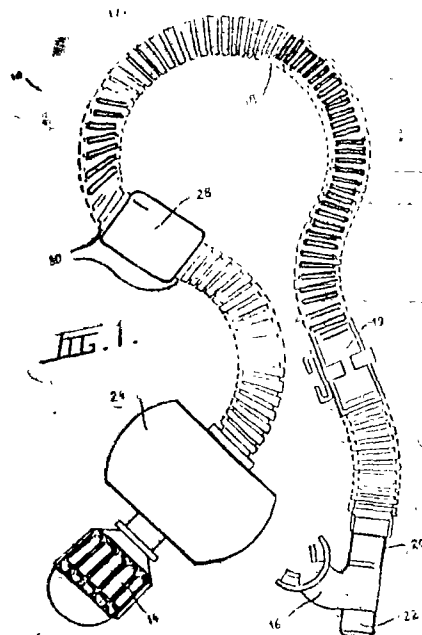
A snorkelling device for supplying air to a person by unassisted lung function to a depth of about one metre, the device comprising :

an air intake (12) incorporating a float valve (14) for closing the air intake when it becomes submerged;

a mouth piece (16) connected to the air intake (12) by a flexible hose (18), the mouth piece (16) having an inlet valve (20) adapted to prevent the return of expelled gases up the flexible hose (18) during exhalation and an outlet valve (22) adapted to allow expelled gases to escape to ambient water during exhalation;

a float (24) provided adjacent the air intake (12) and having sufficient buoyancy to normally hold the air intake (12) above the surface of the water, but wherein the buoyancy is such that the float (24) and the air intake (12) readily submerges when a diver dives to free diving depths of substantially more than one meter; and

a weight (28) provided in connection with the flexible hose (18) at a prescribed distance from the float (24) such that there is a section of the flexible hose between the weight (28) and the float (24), the weight being such that it exerts a downward force on the flexible hose to cause the float (24) and the air intake (12) to maintain a generally upright position whereby, in use, the person is able to breath air at atmospheric pressure whilst submerged to depths of upto one metre and is able to descend without breathing to said free diving depths by drawing the float (24) with the air intake (12) down below the surface of the water.



(Compl. Specn. 18 Pages;

Drgns, 7 Sheets)

Cl. : 32 E & 40 B.

183522

Int. Cl.⁴ : C 08 F 4/22.**A PROCESS FOR POLYMERIZING OLEFINS**

Applicant : PHILLIPS PETROLEUM COMPANY, OF BARTLESVILLE, STATE OF OKLAHOMA, UNITED STATES OF AMERICA.

Inventors :

1. WILLIAM KEVIN REAGEN AND
2. BRIAN KEITH XX CONROY.

Application No. 171/Cal/1995 filed on 20th February, 1995.

(Divided out of No. 763/Cal/90 on 5-9-1990).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims

A process for polymerizing olefins which comprises carrying out the polymerization in the presence of a catalyst comprising a chromium-containing compound, said chromium-containing compound having been prepared by a process comprising reacting :

- (a) a chromic or chromous salt;
- (b) a metal or hydrogen pyrrolide or such substituted pyrrolide; and
- (c) an electron pair donor solvent in stoichiometric proportions to form a chromium ligand and, if desired to activate said catalyst;

contacting the chromium pyrrolide obtained with an aromatic compound and an activating compound which is a metal alkyl or a lewis acid in an amount sufficient to activate the pyrrolide to form a catalyst.

(Compl. Specn. 95 Pages;

Drgns. 9 Sheets)

Cl. : 190 B XIIV(4).

183523

Int. Cl. : F 02 C 6/18 & F 02 G 3/00.

A GAS TURBINE VANE XX COOLING SYSTEM.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors :

1. ALLEN GWOKLIANG CHEN AND
2. GERALD G. MCQUIGGAN.

Application No. 921/Cal/1994 filed on 7th November, 1994.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

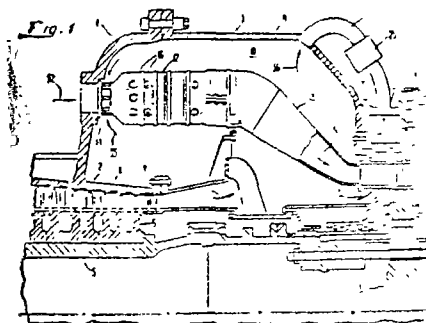
12 Claims

A gas turbine vane cooling system (1) having a compressor section (2) for producing compressed air (34), a shell (9) forming a chamber (10) in flow communication with said compressor, a row of stationary vanes (28), each of said vanes having an inner shroud (60), an outer shroud (61), and an airfoil (59), each of said vanes having a cooling air flow path having a first passage formed by the cavity (62) extending through said inner and outer shrouds (60, 61) and said airfoil and having an inlet (73) and an outlet (75), characterized by :

a major portion of said compressed air (34) forming combustion air (35) and the remainder of said compressed air forming cooling recirculating air (36);

said outlet (75) being in direct flow communication with said chamber whereby cooling air exits said vane directly into said chamber for admixing with said compressed air, and

means comprising pipe (24), fan (25) and the manifold (22) for recirculating said cooling air from said chamber to said vane cooling air flow paths and then directly back to said chamber, thereby transferring heat from said vanes to said cooling air so as to cool said vanes and heat said cooling air.



(Compl. Specn. 13 Pages;

Drgns. 4 Sheets)

Cl. : 32 F, C.

183524

Int. Cl. : C10C 1/19 & 3/04.

AN IMPROVED PROCESS FOR PREPARING OXIDATION PRODUCT OF CUMENE.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 JIVER ROAD, SCHNECTADY 12345, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventors :

1. ARKADY SAMUILOVICH DYCKMAN
2. JOHN WILLIAM
3. WILLIAM DALE KIGHT
4. ANDREY (NMN) ZINENKOV
5. VADIM P. BOYARSKY
6. BORIS ISSAKOVICH GOROVITS
7. LEONTII MIKHAILOVICH KRASNOV
8. ALEXANDER STANISLA MALINOVSKI
9. YURY IVANOVICH PETROV
10. ANATOLY DMITRIEVICH SOROKIN AND
11. SERGEY N. CHERNUKHIN.

Application No. 371/Cal/95 filed on 4th April, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims

An improved process for preparing oxidation product of cumene namely phenol, cumene and alpha-methylstyrene based on tar recovery process where said tar recovery process comprises heating a tar stream obtained from phenol process containing acetophenone to a temperature of from 275° to 420°C and a pressure of 1 to 5 atmospheres in a reactor and cracking the tar and taking cracked product out of the reactor as an overhead stream, wherein the improvement comprises taking from 50 to 100% by weight of the acetophenone from the reactor as a component of the overhead stream and effluxing the cracked product whereby the yield of phenol, cumene and alpha-methylstyrene in the overhead stream is substantially increased.

(Compl. Specn. 10 Pages;

Drgns. Nil)

CL.: 128G.

183525

Int. Cl.: A 61 B 6/03.

DIFFERENTIALLY DRIVEN TRANSMISSION LINE FOR HIGH DATA RATE COMMUNICATION IN A COMPUTERIZED TOMOGRAPHY SYSTEM.

Applicant : GENERAL ELECTRIC COMPANY, OF 1 RIVER ROAD, SCHENECTADY 12345, STATE OF NEW YORK, UNITED STATES OF AMERICA.

Inventor DANIEL DAVID HARRISON.

Application No. 483/Cal/95 filed on 28th April, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

23 Claims

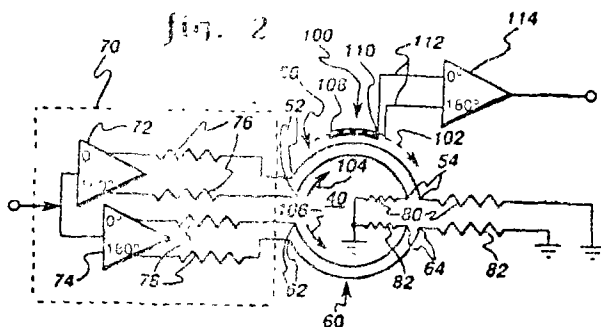
A computerized tomography system having a stationary frame and a generally annular rotating frame, comprising :

a differentially driven transmission line attached to said rotating frame and positioned substantially around said annular rotating frame, said differentially driven transmission line comprising individual segments each having a respective first end and a respective second end, each individual segment comprises first and second signal conductors carrying respective signals being substantially 180° out of phase with one another, each of said individual segments having respective electrical lengths substantially similar to one another, said lengths chosen so that a modulated signal simultaneously applied at each respective first end has a predetermined time-delay upon arrival at each respective second end, said individual segments being arranged so that respective first ends of any two consecutive segments are substantially adjacent to one another and respective second ends of any two consecutive segments are substantially adjacent to one another to avoid time-delay discontinuity in the modulated signal propagating therethrough;

transmission line shield affixed to said transmission line for shielding said transmission line from electromagnetic radiation, said shield defining a passage around said rotating frame; and

a differential coupler with a cross-section similar to the cross-section of said differentially driven transmission line and attached to said stationary frame and being positioned in said passage sufficiently near said differentially driven transmission line for establishing radio coupling therebetween so as to receive the 180° out-of-phase modulated differential signal being applied to the respective individual segments;

the gap between any two consecutive segments of said differential transmission line being such as to allow a coupling between said differential transmission line and said differential coupler at all rotation angles.



(Compl. Specn. : 23 pages;

Drgns. 5 sheets)

CL.: 70 A.

183526

Int. Cl.: C 25 B 9/04.

A SYSTEM FOR ADVANTAGEOUS UTILIZATION OF ELECTRICAL POWER IN ELECTROLYTIC PROCESSES.

Applicant & Inventor : DAVID SUNGOH, OF C/O LEKI COTTAGE, LOWER NONGYTHYMMAL, JIENGKIENG, SHILONG, MEGHALAYA, INDIA.

Application No. 508/Cal/1995 filed on 5th May, 1995.

(Complete after provisional left on 5th August, 1996).

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

2 Claims

A system for advantageous utilisation of electrical power in electrolytic process for production of electrolytic gases, particularly Hydrogen and Oxygen comprising an electrolytic capacitor (EC), a single phase transformer (T), rectification diodes (D) connected there between the power source (PS) and clamps (C) providing power to the electrodes of an electrolytic cell characterized in that a capacitor (EC) being parallelly connected to said AC power source (PS) to step down transformer (T) for maximum utilisation of electrical energy wherein said capacitor having 1000V, 20—25 KVA capacity and is parallelly connected to a 220 Volts AC supply with 99.9% pure copper conductor and output is connected to a 5KW oil cooled step down transformer and said step down transformer having a loading of approximately 1000 amperes per sq.m of the electrode surface at 2.5 volts and is connected to Diodes (D) for DC output, said diodes are connected to electrodes of electrolytic cell.

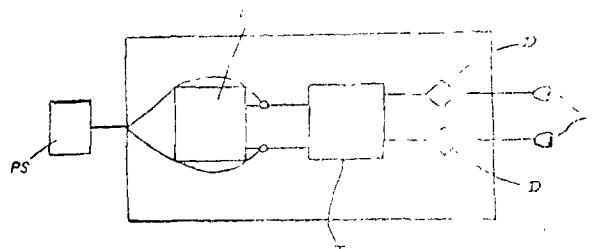


Fig. 1

(Compl. Specn. : 08 pages;

Drgns. : 01 sheet)

(Provl. Specn. : 04 pages)

CL.: 107 K.

183527

Int. Cl.: F 02 B 75/06.

APPARATUS FOR VARYING THE EXTENT OF OPENING OF THE VALVE OF AN INTERNAL COMBUSTION ENGINE.

Applicant : MOTIVE HOLDINGS LIMITED, OF 1115 LINDENWOOD DRIVE, FORT COLLINS, COLORADO 80524 UNITED STATES OF AMERICA.

Inventor : MICHAEL BERNARD RILEY.

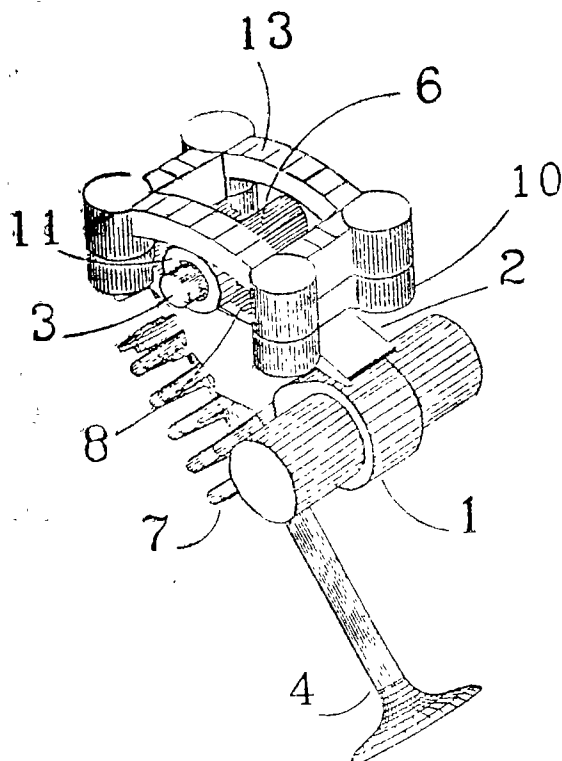
Application No. 560/Cal/1995 filed on 19th May, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

4 Claims

An apparatus for varying the extent of opening of the valve of an internal combustion engine responsive to a cam on a camshaft from closed position of the valve to a maximum opening thereof, comprising : a rocker arm having a body and a rack of teeth, said rocker arm being in contact with said cam to open said valve, in operation; a valve clearance space being provided between the rocker arm and the valve; and there being provided a pivot shaft having a set of rocker arm-engaging teeth mating with the rocker arm body rack of teeth whereby the rocker arm rocks on said pivot shaft to actuate the valve in the event of the rocker

arm being moved by the cam; and the position of the pivot shaft and the valve clearance both being adjustable by movement of the pivot shaft along the rocker arm body rack of teeth.



(Compl. Specn. : 22 pages;

Drgns. : 19 sheets)

Cl. : 40—F.

183528

Int. Cl. : B 01 J 47/12.

AN ELECTROLYZER FOR ELECTROCHEMICAL PROCESSES FOR THE PRODUCTION OF GASEOUS PRODUCTS.

Applicant : DE NORA PERMELEC S.P.A., OF VIA BISTOLFI, 35, 20134 MILAN, ITALY.

Inventors :

1. GIUSEPPE FAITA
2. CARLO GUSMINI
3. CARLO TRAINI

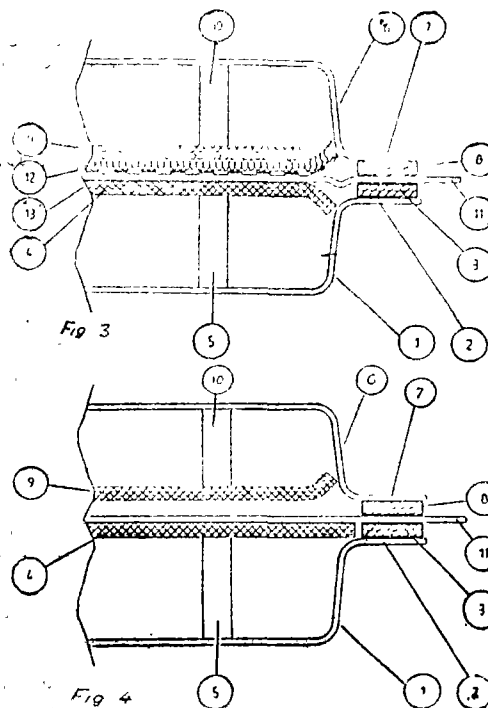
Application No. 664/Cal/1995 filed on 12th June, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

9 Claims

An electrolyzer for electrochemical processes for the production of gaseous products, comprising a multiplicity of elementary cells, each cell divided by an ion exchange membrane or porous diaphragm in two compartments (1, 6), each one comprising an electrode (4, 9) having a planar peripheral portion and a peripheral gasket (3), one of said compartment operating at a lower pressure than that of other compartment, said compartments being provided with means for electrolyte inlet and means for the withdrawal of the electrolytes and gaseous products, characterized in that a strip (14) of a material having a sufficient width to cover both the planar peripheral portion of the electrode (4) and adequate thickness such as herein described to act as a support to and avoid flexing of the membrane in the discontinuity areas between electrode (4) and gasket (3) and resistant to the corrosive action of the electrolytes is applied on said planar peripheral portion and on said peripheral gasket

(3) of the compartment operating at a lower pressure and the peripheral gasket (15) of the other compartment has an enlarged width and is maintained compressed by the electrode (9) of said other compartment which is on the opposite side of the membrane with respect to said strip.



(Compl. Specn. : 18 pages;

Drgns. : 03 sheets)

Cl. : 81.

183529

Int. Cl. : A 62 C 13/54, 35/22 & 37/08.

A. MEDIUM-EXPANSION FOAM-WATER SPRINKLER.

Applicant : INTEGRATED FIRE PROTECTION PRIVATE LIMITED, OF 38, PANDIT M. M. MALABYA SARANI (CHAKRBERIA ROAD NORTH), CALCUTTA-700020, WEST BENGAL, INDIA.

Inventors :

1. SUBIR KUMAR NANDI
2. ANINDA SENGUPTA

Application No. 1078/Cal/1995 filed on 11th September, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

8 Claims

A medium-expansion foam-water sprinkler which is particularly suitable for fire fighting in a more effective manner compared with the conventional type of foam-water sprinklers used for the same purpose, comprising a body/housing, one each of top and bottom cover plates, a nozzle and deflector, characterised in that the body/house is, preferably, of round shape in the horizontal plane thereof; each of the top and bottom cover plates is provided with a predetermined number of holes for entry of air into the sprinkler; the bottom cover plate is provided with openings for drainage of foam-water accumulated thereon; the nozzle has inlet and outlet orifices of preselected dimensions, tapering from the inlet to the outlet side of the nozzle at a preferred angle of 30°—50° from the inlet to the outlet side of the nozzle, the deflector is formed of at least two plates, disposed one above the other in the horizontal plane of the

sprinkler substantially concentrically and parallelly above the surface of the bottom cover plate and below the outlet orifice of the nozzle; and the peripheral surface in between the edges of the top and bottom cover plates is made of a wire netting which is preferably corrugated to increase the effective surface area thereof and of preferred pitch of 15 mm and angle of corrugation of 45°.



Fig. 4

(Compl. Specn. : 12 pages;

Drgns. : 07 sheets)

Cl. : 190 A.

183530

Int. Cl. : H 02 7/18.

APPARATUS FOR GENERATING ELECTRICAL ENERGY UTILIZING A BOILER AND A GAS TURBINE POWERED BY A CARBONIZER AND A METHOD FOR PRODUCING FUEL GAS AND CHAR FROM PARTIALLY COMBUSTING SOLID FUEL.

Applicant : FOSTER WHEELER DEVELOPMENT CORPORATION, OF 12 PEACH TREE HILL ROAD, LIVINGSTON, NEW JERSEY 07039, UNITED STATES OF AMERICA.

Inventor : ERNEST LUDWIG DAMAN.

Application No 1187/Cal/1995 filed on 4th October, 1995.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972), Patent Office, Calcutta.

13 Claims

Apparatus for generating energy, said apparatus comprising : a first energy generating system comprising :

means (24) for receiving solid fuel and generating char and fuel gas a separator (30) for receiving said char and said fuel gas from said means and separating said char from said fuel gas,

a gas turbine (14) for receiving said fuel gas from said separator, said fuel gas being the sole source of fuel for powering said gas turbine, and

means (18) operatively connected to said gas turbine for generating electrical energy;

a second energy generating system comprising :

a boiler (46) for generating steam, and means (52, 55) operatively connected to said boiler for receiving said steam and generating electrical energy, and

means (42, 44) for passing said char from said separator to said boiler for powering said boiler;

said gas turbine operating independently from said boiler.

(Compl. Specn. : 15 pages;

Drgns. : 01 sheet)

OPPOSITION PROCEEDINGS

An Opposition has been entered by M/s. Bharat Heavy Electricals Limited, Hyderabad to grant of a patent Application No. 182706 (594/Mas/93) made by M/s. Apparatebau Rothemuhle Brandt & Kritzler GmbH, Germany.

RENEWAL FEES PAID

181290 177690 182149 176326 178170 180252 168934 176311
176222 177526 178956 182377 182378 182335 166841 169951
176498 178527 180884 181952 181951 175951 168269 173297
170722 180291 168650 169417 172439 173072 174742 175412
181800 170097 180138 179473 179474 179475 178087 178636
171841 181041 181042 168091 180415 180215 178089 180113
178350 180292 181423 180761 177302 170265 171924 172091
179859 168123 168125 168584 177757 174970 174968 171278
170195 173229 168743 167574 173688 180218 180296 181048
181112 181498 181545 181547 171839 173699 172830 173146
177945 181550 170279 181228 181253 181252 181257 181259
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170327 180413 167287 175163 168691 174497 179046 167258
168773 168851 181942 173357 174743.

PATED SEALED ON 31-12-1999

181023 182707 182708 182712 182713 182719 182720 182734
182735 182738 182741 182743 182744 182746 182758 182760

CAL—06, DEL—NIL, MUM—03, CHEN—07

*Patent shall be deemed to be endorsed with words IN FORCE OF RIGHT Under Section 87 of the Patents Act, 1970 from the date of expiration of three years from the date of sealing.

D—Drug Patents.

F—Food Patents.

DESIGNS ACT 1911

U/Section 63 and

U/Rule 53

The following Designs stand in the name of Renault Reynolds S.A, has been amended through Deed of merger to Companies Financiere Reynolds and on subsequent amendment U/rule 53 the said company now stands in the name of REYNOLDS, in the Register of Design.

D/Nos, Class and Name

158299, 158368, 158393, 159838, 163805, 163806, 164158, 168129 & 162409, 3—REYNOLDS (A "Societe Anonyme" organised under the laws of France) of Chemin Des Huguenots 26000 Valence France.

DESIGNS ACT 1911

Section 63

Design Assignment

The following Design stand in the name of Smithkline Beecham P.L.C. has been assigned in the Register of Design in the name of Buttress B.V.

Design Nos., Class & Name

161798, 161799, 161800, 3—Buttress B.V. of Vleutensevaart 100, 3532 A.D. Utrecht, The Netherlands.

DESIGNS ACT 1911

Section 63

Design Assignment

The following Design stand in the name of Smithkline Beecham P.L.C. has been assigned in the name of Buttress B.V.

D/Nos., Class & Name

164454, 3—BUTTRESS B.V. of Vlentensevaart 100, 3532, A.D., Utrecht, The Nether Lands.

DESIGNS ACT 1911

Section 63

Licence Agreement

The following Designs Stands in the name of SARDA PLYWOOD INDUSTRIES LTD. has been transfer through the License agreement to M/s. Vidarbha Veneer Industries Ltd. in the Register of Design.

D/Nos., Class & Name

165161, 165162 & 165163, 3—Vidarbha Veneer Industries Ltd. of G-B, 7, 17 and 18 MIDC Industrial Estate, Nagpur-440028.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entries is the date of registration included in the entries.

Class 3. Nos. 179699, 179700, 179705, 179713 & 179717, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "CONTAINER", 16th June 1999.

Class 3. Nos. 179701, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "STAKE AND STORE", 16th June 1999.

Class 3. No. 179702, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "FUNNEL", 16th June 1999.

Class 3. No. 179703, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "PARTY SUSAN", 16th June 1999.

Class 3. No. 179704, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "MINI GRATER", 16th June 1999.

Class 3. No. 179706, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "MELON SCOOP", 16th June 1999.

Class 3. No. 179707, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "KEEP KAP", 16th June 1999.

Class 3. No. 179708, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "SQUARE KEEPER GRID", 16th June 1999.

Class 3. No. 179709, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "EGG SEPARATOR" 16th June 1999.

Class 3. No. 179710, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "ROCKER SCOOP", 16th June 1999.

Class 3. No. 179712, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "LARGE HANDY BOWL", 16th June 1999.

Class 3. No. 179714, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "PICKLE SCOOP", 16th June 1999.

Class 3. No. 179715, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "PILL HOLDER" 16th June 1999.

Class 3. No. 179716, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "MM RECTANGLE", 16th June 1999.

Class 3. No. 179718, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "FORK-O-SPOON", 16th June 1999.

Class 3. No. 179719, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "MULTI KEEPER" 16th June 1999.

Class 3. No. 179720, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837 U.S.A., "HONEY SCOOP", 16th June 1999.

Class 3. No. 179721, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "SQUARE KEEPER" 16th June 1999.

Class 3. No. 179722, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "MM RECTANGLE SMALL", 16th June 1999.

Class 3. No. 179723, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "BELL TUMBLER SIPPER", 16th June 1999.

Class 3. No. 179724, Dart Industries Inc., a corporation founded under the laws of Delaware, U.S.A. of 14901 South Orange Blossom Trail, Orlando, Florida 32837, U.S.A., "JUMBO CRYSTAL TUMBLER", 16th June 1999.

Class 3. Nos. 180199 to 180205 and 180207 to 180211, ELGI BUILDING PRODUCTS LIMITED an Indian Company incorporated under the Companies Act, 1956 having its regd. office at "ELGI" Towers, P.O. Box No. 7113, No. 737-D, Green Fields, Puliakulam Road, Coimbatore 641045, State of Tamil Nadu, India, "WINDOW FRAME LENGTH", 19th August 1999.

DR. S. K. PAL

Asstt. Controller of Patents & Designs